SURGICAL MANAGEMENT OF INTESTINAL INTUSSUSCEPTION DUE TO LINEAR FOREIGN BODY IN A DOG

Saranya Chinnusamy
Veterinary College and Research Institute, Tirunelveli

A 3 years old male non-descript dog was presented to Small Animal Surgery unit of Teaching Veterinary Clinical Complex, Veterinary College and Research Institute, Tirunelveli with history of anorexia, vomit and not passing stool for last 2 days. Firm painful sausage like mass on physical examination of abdomen, parts of gas filled intestinal loops on plain radiography and concentric rings of intestines in the cranial abdomen on ultrasonography were suggestive of Intussusception and advised explorative laparotomy. The dog was premedicated with atrophine sulphate @ 0.04 mg per kg body weight subcutaneously and xylazine hydrochloride @ 1 mg per kg body weight intramuscularly. Anaesthesia was induced with ketamine hydrochloride @ 5 mg per kg body weight and diazepam @ 0.5 mg per kg body weight intravenously. Anaesthesia was maintained under isoflurane employing variable vaporizer setting with fresh gas flow of 500ml per minute. Exploration of the abdominal cavity revealed linear intestinal foreign body with multiple intussusception and mild peritoneal effusion. Emergency surgical rectification was carried out to retrieve foreign bodies at duodenum and ileum followed by manual reduction of intussusceptions. The abdominal cavity was lavaged with normal saline and metronidazole solution. The laparotomy wound was closed as per the standard operating procedures. Post-operative care was done with Ringer's Lactate and Ceftriaxone along with wound management. The dog was introduced gradually to water and food. The dog portrays the success of this surgery by defecating on 5th post-operative day onwards and cutaneous sutures were removed on 8th post-operative day.

Keywords: Foreign Body, Intussusception

Faculty Advisor: Dr. D. Vishnugurubaran, Assistant Professor, Department of Veterinary Surgery and Radiology, Dr. R. Uma Rani, Associate Professor and Head, Department of Veterinary Surgery and Radiology